

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-41.(Canceled)

~~42.~~(Currently Amended) A display device comprising:

a semiconductor substrate;

an insulating layer formed on the semiconductor substrate;

a switching transistor and a current controlling transistor formed on the insulating layer, each comprising a source region, a drain region, a gate electrode and a gate insulating film;

a first interlayer insulating film over the switching transistor and the current controlling transistor;

a source wiring and a drain wiring which are connected with the switching transistor and a source wiring and a drain wiring which are connected with the current controlling transistor, and formed over the first interlayer insulating film;

[[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the switching transistor and the source wiring and the drain wiring of the current controlling transistor;

an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain

region wiring of the current controlling transistor, and formed on the dielectric layer;

a first electrode electrically connected with the other one of the source region wiring and the drain region wiring of the current controlling transistor;

an EL layer formed over the first electrode; and

a second electrode formed over the EL layer.

~~2~~
~~43.~~(Previously Presented) A display device according to claim ~~42~~, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

~~3~~
~~44.~~(Previously Presented) A display device according to claim ~~42~~, wherein the first electrode overlaps the power supply line.

~~4~~
~~45.~~(Previously Presented) A display device according to claim ~~42~~, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

~~5~~
~~46.~~(Previously Presented) A display device according to claim ~~42~~, wherein the dielectric layer comprises an oxidation film of the electrode.

~~7~~
~~47.~~(Currently Amended) A display device comprising:
a semiconductor substrate;

an insulating layer formed on the semiconductor substrate;

a p-channel type switching transistor and an n-channel type current controlling transistor formed on the insulating layer, each comprising a source region, a drain region, a gate electrode and a gate insulating film;

a first interlayer insulating film over the p-channel type switching transistor and the n-channel type current controlling transistor;

a source wiring and a drain wiring which are connected with the p-channel type switching transistor and a source wiring and a drain wiring which are connected with the n-channel type current controlling transistor, and formed over the first interlayer insulating film;

[[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the p-channel type switching transistor and the source wiring and the drain wiring of the n-channel type current controlling transistor;

an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the p-channel type switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor, and formed on the dielectric layer;

a first electrode electrically connected with the other one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor;

an EL layer formed over the first electrode; and

a second electrode formed over the EL layer.

~~8~~
~~48.~~(Previously Presented) A display device according to claim ~~7~~~~47~~, wherein the first electrode overlaps the power supply line.

~~9~~
~~49.~~(Previously Presented) A display device according to claim ~~7~~~~47~~, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

~~10~~
~~50.~~(Previously Presented) A display device according to claim ~~7~~~~47~~, wherein the dielectric layer comprises an oxidation film of the electrode.

~~11~~
~~51.~~(Previously Presented) A display device according to claim ~~7~~~~47~~, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

~~13~~
~~52.~~(Currently Amended) A display device comprising:
a semiconductor substrate;
a switching transistor and a current controlling transistor formed on the semiconductor substrate, each comprising a source region, a drain region, a gate electrode and a gate insulating film;
a first interlayer insulating film over the switching transistor and the current controlling transistor;
a source wiring and a drain wiring which are connected with the switching transistor and a

source wiring and a drain wiring which are connected with the current controlling transistor, and formed over the first interlayer insulating film;

[[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the switching transistor and the source wiring and the drain wiring of the current controlling transistor;

an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the current controlling transistor, and formed on the dielectric layer;

a first electrode electrically connected with the other one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the current controlling transistor;

an EL layer formed over the first electrode; and

a second electrode formed over the EL layer.

¹⁴
~~53~~.(Previously Presented) A display device according to claim ¹³~~52~~, wherein the first electrode overlaps the power supply line.

¹⁵
~~54~~.(Previously Presented) A display device according to claim ¹³~~52~~, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

¹⁶
~~55~~. (Previously Presented) A display device according to claim ¹³~~52~~, wherein the dielectric layer comprises an oxidation film of the electrode.

¹⁷
~~56~~. (Previously Presented) A display device according to claim ¹³~~52~~, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

¹⁹
~~57~~. (Currently Amended) A display device comprising:

- a semiconductor substrate;
- a p-channel type switching transistor and an n-channel type current controlling transistor formed on the semiconductor substrate, each comprising a source region, a drain region, a gate electrode and a gate insulating film;
- a first interlayer insulating film over the p-channel type switching transistor and the n-channel type current controlling transistor;
- a source wiring and a drain wiring which are connected with the p-channel type switching transistor and a source wiring and a drain wiring which are connected with the n-channel type current controlling transistor, and formed over the first interlayer insulating film;
- [[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the p-channel type switching transistor and the source wiring and the drain wiring of the n-channel type current controlling transistor;
- an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~

wiring of the p-channel type switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor, and formed on the dielectric layer;

a first electrode electrically connected with the other one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor;

an EL layer formed over the first electrode; and

a second electrode formed over the EL layer.

²⁰
~~58~~. (Previously Presented) A display device according to claim ¹⁹~~57~~, wherein the first electrode overlaps the power supply line.

²¹
~~59~~. (Previously Presented) A display device according to claim ¹⁹~~57~~, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

²²
~~60~~. (Previously Presented) A display device according to claim ¹⁹~~57~~, wherein the dielectric layer comprises an oxidation film of the electrode.

23
~~61~~

(Previously Presented) A display device according to claim ~~57~~¹⁹, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

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~~62~~

(Currently Amended) A display device comprising:

a semiconductor substrate;

a switching transistor and a current controlling transistor formed on the semiconductor substrate, each comprising a source region, a drain region, a gate electrode and a gate insulating film;

a first interlayer insulating film over the switching transistor and the current controlling transistor;

a source wiring and a drain wiring which are connected with the switching transistor and a source wiring and a drain wiring which are connected with the current controlling transistor, and formed over the first interlayer insulating film;

[[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the switching transistor and the source wiring and the drain wiring of the current controlling transistor;

an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the current controlling transistor, and formed on the dielectric layer;

a storage capacitance comprising the electrode, the dielectric layer and the power supply line;
a first electrode electrically connected with the other one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the current controlling transistor;
an EL layer formed over the first electrode; and
a second electrode formed over the EL layer.

²⁶
~~63~~ (Previously Presented) A display device according to claim ~~62~~ ²⁵, wherein the first electrode overlaps the power supply line.

²⁷
~~64~~ (Previously Presented) A display device according to claim ~~62~~ ²⁵, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

²⁸
~~65~~ (Previously Presented) A display device according to claim ~~62~~ ²⁵, wherein the dielectric layer comprises an oxidation film of the electrode.

²⁹
~~66~~ (Previously Presented) A display device according to claim ~~62~~ ²⁵, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

³¹
~~67~~ (Currently Amended) A display device comprising:
a semiconductor substrate;

a p-channel type switching transistor and an n-channel type current controlling transistor formed on the semiconductor substrate, each comprising a source region, a drain region, a gate electrode and a gate insulating film;

a first interlayer insulating film over the p-channel type switching transistor and the n-channel type current controlling transistor;

a source wiring and a drain wiring which are connected with the p-channel type switching transistor and a source wiring and a drain wiring which are connected with the n-channel type current controlling transistor, and formed over the first interlayer insulating film;

[[an]] a second interlayer insulating film formed over the source wiring and the drain wiring of the p-channel type switching transistor and the source wiring and the drain wiring of the n-channel type current controlling transistor;

an electrode electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the p-channel type switching transistor, and formed over the second interlayer insulating film;

a dielectric layer formed on the electrode;

a power supply line electrically connected with one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor, and formed on the dielectric layer;

a storage capacitance comprising the electrode, the dielectric layer and the power supply line;

a first electrode electrically connected with the other one of the source ~~region~~ wiring and the drain ~~region~~ wiring of the n-channel type current controlling transistor;

an EL layer formed over the first electrode; and

a second electrode formed over the EL layer.

~~32~~
~~68~~.(Previously Presented) A display device according to claim ~~31~~ ~~67~~, wherein the first electrode overlaps the power supply line.

~~33~~
~~69~~.(Previously Presented) A display device according to claim ~~31~~ ~~67~~, wherein the electrode comprises one selected from the group consisting of Al, Ta and Ti.

~~34~~
~~70~~.(Previously Presented) A display device according to claim ~~31~~ ~~67~~, wherein the dielectric layer comprises an oxidation film of the electrode.

~~35~~
~~71~~.(Previously Presented) A display device according to claim ~~31~~ ~~67~~, wherein the display device is incorporated in at least one selected from the group consisting of a portable telephone, a video camera, a mobile computer, a goggle type display, a projector, an electronic book, a digital camera, and a DVD player.

~~6~~
~~72~~.(Previously Presented) A display device according to claim ~~1~~ ~~42~~, wherein the EL layer is organic.

~~12~~
~~73~~.(Previously Presented) A display device according to claim ~~3~~ ~~47~~, wherein the EL layer is organic.

¹⁸
~~74~~. (Previously Presented) A display device according to claim ¹³~~52~~, wherein the EL layer is organic.

²⁴
~~75~~. (Previously Presented) A display device according to claim ¹⁹~~57~~, wherein the EL layer is organic.

³⁰
~~76~~. (Previously Presented) A display device according to claim ⁶²~~62~~, wherein the EL layer is organic.

³⁶
~~77~~. (Previously Presented) A display device according to claim ³¹~~67~~, wherein the EL layer is organic.